

ABSTRACT

The present invention relates to an electrode for an electrochemical cell which comprises a cathode containing a
5 proton-conducting compound as an electrode active material,
an anode containing a proton-conducting compound as an
electrode active material and an electrolyte containing a
proton source, comprising a proton-conducting compound and
an anion-exchange resin. This invention can be used to
10 improve cycle-life properties and high-speed charge/discharge
properties in an electrochemical cell.